

Converting Colors

CIELCh(32, 120.981, 304.783)

Have a look what the booklet for
CIELCh(32, 120.981, 304.783)
contains.

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Color

CIELCh(32, 120.898, 304.826)

Conversions

Conversions Part 1

Format	Color
Hex	001DEF
RGB	0, 29, 239
RGB Percent	0%, 11%, 94%
CMY	1.0000, 0.8870, 0.0634
CMYK	1.00, 0.88, 0.00, 0.06
HSL	233°, 100%, 47%
HSV	233°, 100%, 94%
XYZ	15.9761, 7.0852, 82.0546
YIQ	44.2690, -84.6940, 59.1620

Conversions

Conversions Part 2

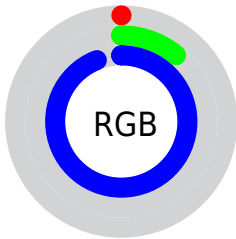
Format	Color
R _{YB}	0, 26, 239
Decimal	7663
CIE _{Lab}	32.00, 69.04, -99.24
CIE _{LCh}	32, 120.898, 304.826
Yxy	7.0852, 0.1520, 0.0674
Android (android.graphics.Color)	4278197743 (0xFF001DEF)
YUV	44.2690, 96.0024, -38.8239
Hunter-Lab	26.6180, 60.5543, -164.1393

Details

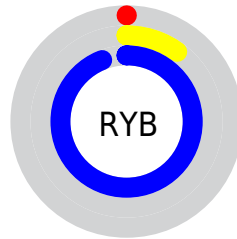
The CIELCh color **32, 120.898, 304.826** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **84, 84.740, 94.262**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 98.751, 304.741**, and **21, 103.454, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 120.885, 304.838**, and if you desaturate by 10%, it is **35, 111.568, 302.940**.

Distribution



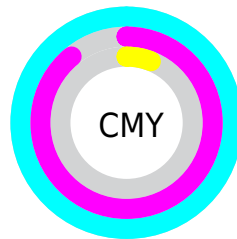
- Red (0%)
- Green (11%)
- Blue (94%)



- Red (0%)
- Yellow (10%)
- Blue (94%)



- Cyan (100%)
- Magenta (88%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (89%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 120.898, 304.826 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 32, 120.898, 304.826 by changing the saturation by 10% instead.


 32, 120.898,
304.826


 32, 120.898,
304.826


 100, 120.898,
304.826


 22, 120.898,
304.826


 52, 120.898,
304.826


 12, 120.898,
304.826


 62, 120.898,
304.826

 2, 120.898,
304.826

 72, 120.898,
304.826

 0, 120.898,
304.826

 82, 120.898,
304.826

 92, 120.898,
304.826

■ 32, 120.898,
304.826

■ 32, 120.898,
304.826

■ 32, 120.885,
304.838

■ 35, 111.568,
302.940

■ 40, 99.458,
300.477

■ 46, 86.102,
297.801

■ 52, 72.553,
295.179

■ 59, 59.308,
292.774

■ 66, 46.530,
290.652

■ 73, 34.242,
288.821

■ 80, 22.417,

287.257

■ 87, 11.018,
285.930

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32, 120.898, 304.826



84, 84.740, 94.262

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32, 120.898, 304.826



32, 120.898, 354.826



32, 120.898, 124.826



32, 120.898, 174.826

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32, 120.885, 304.838



78, 36.117, 288.839



85, 54.596, 177.909



38, 24.837, 289.580



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32, 120.885, 304.838



34, 127.294, 304.897



35, 122.318, 309.135



46, 6.273, 285.866



24, 98.244, 304.547



4, 34.648, 296.526

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50, 94.005, 35.511



53, 98.974, 35.677



86, 99.539, 123.197



47, 5.046, 10.232



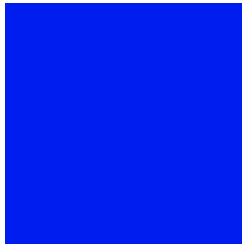
38, 76.483, 34.705



8, 29.266, 18.902

Previews

White Background



This preview shows how the CIE LCh color 32, 120.898, 304.826 looks on a white background.

Color Contrast Check

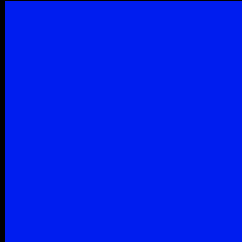
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 32, 120.898, 304.826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 120.898, 304.826

Background



This preview shows how black text looks on a background with the CIELCh color 32, 120.898, 304.826.



This preview shows how white text looks on a background with the CIELCh color 32, 120.898, 304.826.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32, 120.898, 304.826

Protanopia

32, 50.272, 285.223

Deuteranopia

32, 34.398, 270.025

Trichromacy



Original Color
32, 120.898, 304.826

Protanomaly
30, 79.370, 297.851

Deuteranomaly
30, 68.906, 295.087

Monochromacy



Original Color
32, 120.898, 304.826

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 51.717, 298.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 120.898, 304.826 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 29, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 29, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 29, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 29, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 120.898, 304.826 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 29, 239) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 29, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 29, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 29, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 29, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 29, 239)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 120.898, 304.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 29, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 29,  
239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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